MNES programmes in Assam

2475. DR. ARUN KUMAR SARMA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to refer to reply to Unstarred Question 1120 given in the Rajya Sabha on the 13th March, 2002 and state:

(a) the State-wise targets finalised for implementation of programmes under the Ministry during the Tenth Plan period showing year-wise outlays and utilisation;

(b) the schemes being operated in Assam showing total outlay, operating agency and achievements made; and

(c) the list of NGOs engaged and proposed to be engaged for implementation of such schemes in Assam?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) State-wise targets are not fixed for non-conventional energy programmes and, therefore, no such targets have been finalized for implementation of programmes during the 10th Plan. However, physical and financial targets for development of various non-conventional energy programmes during the 10th Plan period are given in Statement-I (*See* below). A Gross Budgetary Support of Rs.468.29 crore had been provided for implementation of various programmes during 2002-03 against which an amount of Rs.423.74 crores has been utilized.

(b) Various non-conventional energy programmes/schemes, such as, small hydro power, biomass gasifier, biogas plants, solar photovoltaic, village electrification etc. are being implemented through the Assam Energy Development Agency (AEDA) in Assam. The details of cumulative achievements under various non-conventional energy programmes/ schemes in Assam as on 31-3-2003 are given in Statement-II. (*See* below). A cumulative amount of Rs.14.80 crore has been provided since the 7th Plan onwards under various non-conventional energy programmes to Assam as on 31-3-2003.

(c) Non-Conventional energy programmes in States are implemented through the State Nodal Agencies. However, the State Nodal Agency may involve local NGOs for implementation of various programmes/ schemes depending upon the nature and need of the project.

Statement-I

Physical Targets and Financial Allocations for the 10th Plan

A: Power Generation from Renewables

Programme	Physical (in MW)	Financial (Rs. in crore)
Wind Power	-1500	110
Small Hydro Power	-600	375
Biomass Power/Co-generation	-700	125
Biomass Gasification	-50	35
Waste to Energy	-80	125
Solar Photovaltaic Power	-5	75
Solar Thermal Power	-140	50
Sub Total(A)	3075	895

(B) Village Electrification Programme	Physical (Nos.)	Financial (Rs. in crores)
Electrification route:		
Solar Photovoltaic	-4000 villages (20 MW)	590
Biomas Gasifier	-500 villages (25 MW)	70
Small Hydro Power	-500 villages (45 MW)	50
Survey & Investigation		25
Sub Total(B)	5000 villages	735

C: Decentralized Energy Systems	Physical	Financial (Rs. in crores)
1	2	3
Biogas Plants	-10 lakh	385
SPV Lanterns	-6 lakh (6 MW)	
SPV Home Lighting Systems	-2.5 lakhs (10 MW)	290
SPV Power Plant & New Systems	-4 MW	
SPV Generators	-10,000(3 MW)	
SPV Pumps	-8,000 (14 MW)	
Wind Pumps	-800 Nos.	187

1	2	3
Hybrid Systems	-800 kw	
Solar Water Heating Systems	-0.5 million sq. m. collector area	
Solar Air Heating Systems	-5,000 sq.m. collector area	110
Solar Cooker	-2.05 lakhs	
Steam Cooking System	-20 Nos.	
Solar Aditya Shop	-100 Nos.	
SUB-TOTAL (c)		972
[D] R&D and other Programmes		932
	Total (DBS)	3534
[E] Externally Aided Projects(EAP)		466
	Total (GBS)	4000

Note :—

- All unelectrified census villages where grid extension is not likely by 31.03.2012 will be electrified through renewable energy sources by 31.3.2007, *i.e.* the end of the 10th Plan period.
- All households to be electrified by renewable sources in villages where grid extension is not likely by 31.03.2012.

Statement-II

The details of cumulative achievements since the 7th Plan onwards under various non-conventional energy programmes/schemes in Assam as on 31-3-2003

S. No.	Programmes/Schemes	Cumulative achievements as on 31.3.2003 in Assam
1	2	3
1.	Small Hydro Power (MW)	2.00
2.	Biomass Gasifier (kW)	123
3.	Biogas Plants (Nos.)	53769
4.	Community/Institutional/Night-soil-based plants (Nos.)	02

1	2	3
5.	Water pumping Windmills (Nos.)	03
6.	Small Aerogenerator and Hybrid system (kW)	06
7.	Solar Photovaltaic Pumps (Nos.)	45
8.	Solar Photovaltaic	
	i. Street lighting system (Nos.)	98
	ii. Home lighting system (Nos.)	2787
	iii. Solar lantern (Nos.)	541
	iv. Solar Power plants (kWp)	7.5
9.	Solar Cooker (Nos.)	80
10.	Aditya Solar Shop (Nos.)	01
11.	Energy Park (Nos.)	11
12.	Integrated Rural Energy Programme (Blocks in Nos.)	21
13.	Village Electrification (Nos. of villages electrified)	36

MW : Megawatt; KW : Kilowatt; KWp : Kilowatt Peak

Solar powered rickshaws

2476. DR. ALLADI P. RAJKUMAR: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether solar powered rickshaws have started plying on roads in Jaipur in Rajsthan;

(b) if so, whether eco-friendly vehicles are proposed to be started in other parts of the country; and

(c) if so, the details in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) to (c) Solar powered rickshaws are not yet plying regularly on roads in India. The Maharana of Mewar Charitable Foundation (MMCF), Udaipur has developed some prototypes of solar powered rickshaws in association with some British organizations. The MMCF also organized, with partial financial support from the Ministry of Non-Conventional Energy Sources, a 10 day rally of 6 solar powered